

इंटरनेट

मानक



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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

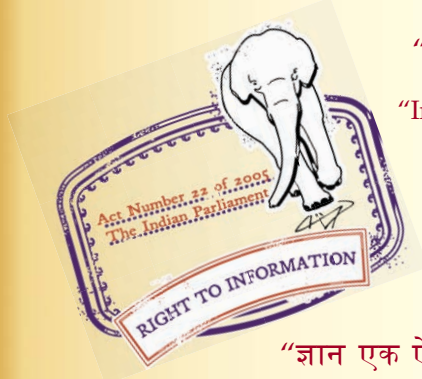
“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

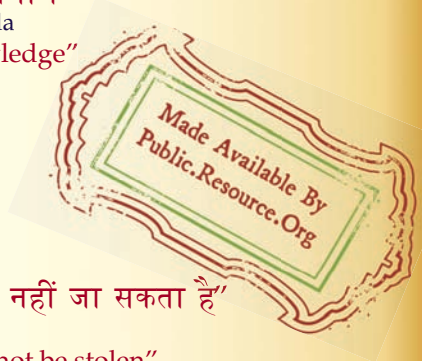
IS 7106 (1973): Extractor, Staple, Orthopaedic [MHD 2: Orthopaedic Instruments, Implants and Accessories]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”





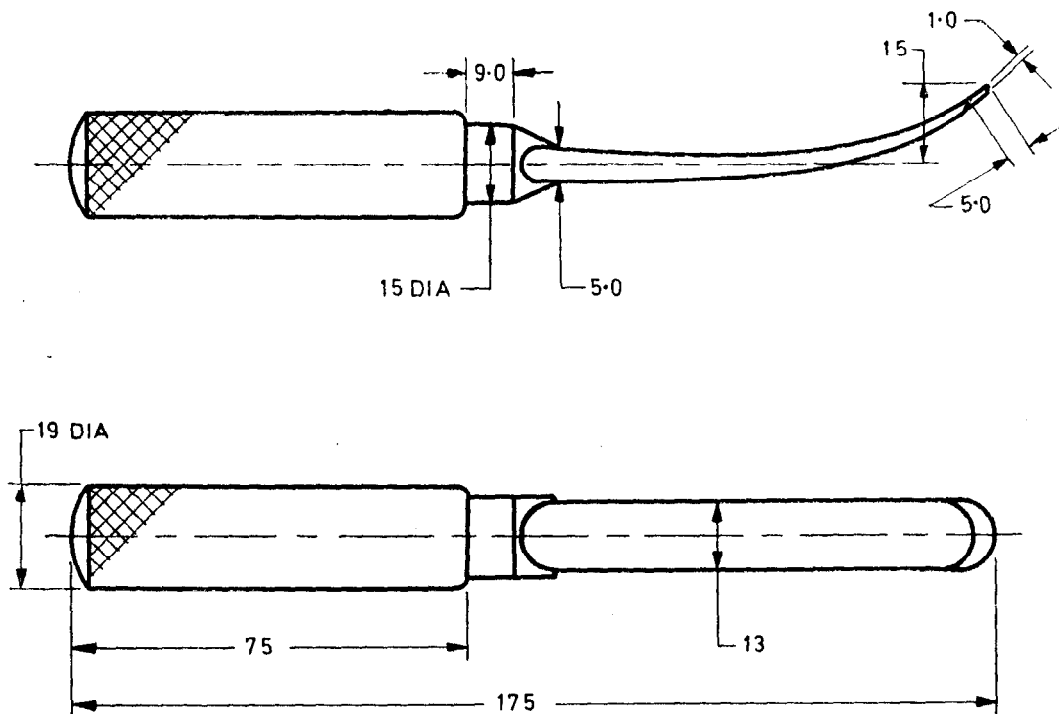
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*Indian Standard*  
SPECIFICATION FOR  
EXTRACTOR, STAPLE, ORTHOPAEDIC

1. **Scope** — Specifies dimensions and other requirements for staple extractor used for extracting staples from the bone.
2. **Material** — Stainless steel bars conforming to Designation 40Cr13 or 30Cr13 of IS: 6603-1972 'Specification for stainless steel bars and flats'.
3. **Shape and Dimensions** — As shown in Fig. 1.



All dimensions in millimetres.  
FIG. 1 EXTRACTOR, STAPLE, ORTHOPAEDIC

4. **Heat Treatment** — The extractor shall be hardened and tempered to 450 to 500 HV.
5. **Workmanship and Finish**
  - 5.1 The extractor shall be made in one piece.
  - 5.2 The blade end shall be tapered for extracting staple as shown in Fig. 1.
  - 5.3 The extractor shall be free from pits, burrs, draw-marks, cracks and other surface contaminations.
  - 5.4 It shall be passivated and polished bright.
6. **Test**
  - 6.1 **Corrosion Resistance Test** — Scrub the instrument with soap and warm water, rinse in hot water and then dip in 95 percent ethyl alcohol. Dry the instrument, immerse in copper sulphate solution at room temperature for 6 minutes and wash with fresh water or wet cotton wool.

Adopted 20 December 1973

© February 1974, ISI

Gr 1

## IS: 7106 - 1973

The copper sulphate solution shall be made up as follows:

Copper sulphate ( $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$ )	4.0 g
Sulphuric acid ( $\text{H}_2\text{SO}_4$ ) (sp gr 1.84)	10.0 g
Distilled water [see IS : 1070-1960 Specification for water, distilled quality ( <i>revised</i> )]	90.0 ml

There shall be no red stains or spots on the instrument, but dulling of the polished surface may be permitted.

**7. Marking** — The extractor shall be marked with the manufacturer's name, initials, or recognized trademark.

**7.1 ISI Certification Marking** — Details available with the Indian Standards Institution.

**8. Packing** — As agreed to between the purchaser and the supplier.